

PDR RID Report

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Document Analysis

RID ID	PDR	78
Review	FOS	
Originator Ref		
Priority	2	

Section Telemetry Decom

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Figure Table AN -29

Category Name Design

Actionee HAIS

Sub Category

Subject Use of S/C commands during analysis.

Description of Problem or Suggestion:

Interpretation of some telemetry is dependent on S/C commands which define the content of the telemetry.

Example:

Software logging function - Content of log is defined by command.

Memory Monitor - Memory locations selected by command.

Originator's Recommendation

Provide command history to the Analysis Function.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/13/95

HAIS R. E. J. Kuntz

HAIS Response Date 1/24/95

It is agreed that the use of commands in analysis is a function which would aid the FOT analysts in interpreting the behavior of many telemetry parameters.

The current FOS design does provide a mechanism which would allow access to the command history for use during analysis functions. All commands uplinked during a real-time contact are archived in the command event log archive. All stored commands scheduled to execute are documented and archived in the corresponding ground script. The FOT would simply request a delog of the appropriate command event log and/or retrieval of a specified ground script (ref. FOS Requirements Specification for the ECS Project, sections 9.1.5.4 and 9.1.10). These data sources could then be used in conjunction with other analysis products for analytical purposes.

In addition to this response, please refer to the response to RID 18. RID 18 suggests the overlay of commands on graphs generated by the FOS User Interface.

Status Closed

Date Closed 2/1/95

Sponsor Johns

***** Attachment if any *****